

BACHURIN, N.I., inzh.; VOLKOV, S.S., inzh.; GORODETSKIY, S.S., prof., doktor tekhn. nauk; GUSEV, S.A., dotsent, kand. tekhn. nauk; ZHUKHOVITSKIY, B.Ya., dots., kand. tekhn. nauk; IVANOV-SMOLENSKIY, A.V., dots., kand. tekhn. nauk; KIFER, I.I., dots., kand. tekhn.nauk; KORYTIN, A.A., starshiy prepodavatel'; KULIKOV, F.V., dots.; NIKULIN, N.V., dots., kand. tekhn. nauk; PODMAR'KOV, A.N., dots.; PRIVEZEN'SEV, V.A., prof., doktor tekhn. nauk; RUMSHINSKIY, L.A., dots., kand. fiz.-mat. nauk; SOBOLEV, V.D., dots., kand. tekhn.nauk; ULAPOVA, M.N., inzh.; TIKHOMIROV, P.M., dots., kand. tekhn. nauk; FEDOROV, A.A., dots., kand. tekhn. nauk; CHUNIKHIN, A.A., dots., kand. tekhn. nauk; CHILIKIN, M.G., prof., glav. red.; GOLOVAN, A.T., prof., red.; GRUDINSKIY, P.G., prof., red.; PETROV, G.N., prof., doktor tekhn. nauk, red.; FEDOSEYEV, A.N., prof., red.; ANTIK, I.V., inzh., red.; DORUNOV, N.I., tekhn. red.

[Electrical engineering handbook] Elektrotekhnicheskii spravochnik. 3., perer. i dop. izd. Pod obshchei red. A.T. Golovana i dr. Moskva, Gosenergoizdat. Vol.1. 1962. 732 p. (MIRA 15:10)

1. Moskovskiy energeticheskiy institut (for Golovan, Grudinskiy, Petrov, Fedoseyev, Chilikin, Antik).
(Electric engineering--Handbooks, manuals, etc.)

KIFER, I.I.; TSEPLYAYEVA, M.S.

Magnetic characteristics of materials operating in difficult
conditions of magnetization. Trudy inst. Kom.standamer i izm.
prib no.64:168-171 '62. (MIRA 16:5)
(Ferromagnetism) (Magnetization)

KIFER, Isaak Iosifovich, kand. tekhn. nauk, dotsent; TSEPLYAYEVA,
Marianna Samuilovna, inzh., assistent

Concerning the choice of field excitation frequency ferrite
probes used in magnetic flaw detection. Izv. vys. ucheb. zav.;
elektromekh. 5 no.6:687-689 '62. (MIRA 15:10)

1. Kafedra obshchey elektrotehniki Moskovskogo energeticheskogo
instituta.

(Magnetic measurements) (Transducers)

KIFER, I.I.

Some suggestions concerning a new All-Union State Standard
for electrical sheet steel. Zav. lab. 28 no.9:1085-1087 '62.
(MIRA 16:6)

1. Moskovskiy energeticheskiy institut.
(Sheet steel—Standards)

KIFER, I.I.

Problem of a "hysteresisless" magnetization curve. Zav. lab.
28 no.9:1091-1093 '62. (MIRA 16:6)

1. Moskovskiy energeticheskiy institut.
(Magnetic induction)

KIFER, I.I.; TSEPLYAYEVA, M.S.

Design of ferromagnetic probes for magnetic defectoscopy.
Zav. lab. 29 no.6:725-730 '63. (MIRA 16:6)

1. Moskovskiy energeticheskiy institut.
(Magnetic testing)

KIFER, I.I.; FASTRITSKIY, V.S.; MIRMAN, B.A.

Calculating the resistance of a coil located above an electric-conductive ferromagnetic half space. Defektoskopiia 1 no.3:62-70 '65.

(MIRA 18:8)

1. Rizhskiy politekhnicheskiy institut.

KIFER, I.I. & GEMBOWSKAYA, I.B.

...uring the permeability of ferromagnetic powders. Zav. lab. 31
no. 9/1100-1102 '65.
(MIRA 18:10)

PREOBRAZHENSKIY, Alekseyevich, dets., kand. fиз. nauk;
MALASHOV, Yelizaveta KAYTSIN, D.G.; DRGZLOV, N.G.; prof.,
rezensent; KIFER, I.I.; dets., rezensent; SAMIROVA,
V.V., red.

[Magnetic materials] Magnitnye materialy. Moscow, Vysshiaia
shkola, 1965. 234 p. (NIKA 18:10)

1. Moskovskiy institut stali i splavov (for Kifer). 2. Le-
ningradskiy elektrotehnicheskiy institut imeni Ul'yanova
(for Preobrazhenskiy).

KIFFER, I.I.; FASTRITSKIY, V.S.

Selecting operating conditions of a magnetized iron core placed above a ferromagnetic half space. Defektoskopiya no. 7, p.32-37 1965. (MFA 12.10)

1. Riazanskiy politekhnicheskiy institut.

L 24509-66 EWT(d)/EWP(e)/EWT(m)/EWP(w)/EWP(o)/EWP(v)/T/EWP(t)/EWP(k)/EWP(l)/
ACC NR: AP6007705 ETC(m)-6 IJP(c) SOURCE CODE: UR/0413/66/000/003/0084/0084
J1

AUTHOR: Zhigadlo, A. V.; Kifer, I. I.; Semenovskaya, I. B.

ORG: none

14 18 15 13

TITLE: Water-base magnetic paste for detection of powder metal flaws in parts.
Class 42, No. 178557

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 84

TOPIC TAGS: flaw detection, powder metal, magnetic paste, paste

ABSTRACT: An Author Certificate has been issued describing a water-base magnetic paste for detection of powder metal flaws in parts; the paste contains a ferromagnetic powder, alkals and wetting agents. In order to make the paste more sensitive to flaw detection, its composition is as follows: ferromagnetic powder, 50%; potassium bichromate, 9%; soda ash (or any other commercial-grade soda), 16%; glycerin, 26%, wetting agent, 9%. [LD]

SUB CODE: 11/ SUBM DATE: 08Aug64/

Cord 1/1 81A

UDC: 620.179.14

2

L 27647-66 EWP(c)/EWP(k)/EWT(d)/EWP(h)/ETC(m)-6/EWP(l)/EWP(v)

ACC NR: AP6018519

SOURCE CODE: UR/0381/65/000/006/0015/0023

AUTHOR: Kifer, I. I.; Fastritskiy, V. S.

ORG: Riga Polytechnic Institute (Rishskiy politekhnicheskiy institut)

TITLE: Designing applied transducers with ferrite cores

SOURCE: Defektoskopiya, no. 6, 1965, 15-23

TOPIC TAGS: ferrite, ferromagnetic material, magnetic permeability

ABSTRACT: On the basis of solution of the problem on the induced resistance of a coil (without a core) interacting with a part of an article made of ferromagnetic material, the designing of applied coils with two types of ferrite cores is examined.

As a result of the work conducted it was possible to obtain an approximate method of designing applied transducers with two of most widely known types of ferrite cores, using the earlier developed method of designing coils without core. By determining, experimentally or analytically, the permeability of their shape, this method can be used for other shapes and sizes of cores. Preliminary data allows one to consider that the proposed method can be used even during designing of coils designated for inspecting articles made from non-ferromagnetic materials. Orig. art. has: 3 figures, 4 tables and 20 formulas. [JPRS]

SUB CODE: 20 / SUBM DATE: 08Oct65 / ORIG REF: 008 / OTH REF: 001

Cord 1/1 CC

UDC: 620.179.14

WALECKI, Henryk; NARUSEZEWICZ, Danuta; KIFER, Wanda

Results of the evaluation of immunogenic properties of whooping cough vaccines by the intra-cerebral and agglutination test.
Med. dosw. mikrob. 14 no.1:81-90 '62.

1. Z Zakladu Bakteriologii, Zakladu Epidemiologii PZH i Centralnego
Laboratorium ZWSS w Warszawie.
(WHOOPING COUGH immunol) (VACCINES)

BELAYA, N.K.; KIFER, Ye.L.; BORISOV, S.P. professor, direktor; ROZANOV,S.N., professor, zaveduyushchiy; PROKHOROVICH, E.V., zasluzhennyj vrach respubliki, glavnnyj vrach.

Case of combined oral injury which presents diagnostic difficulties.
Pediatriia no.2:52-54 Mr-Ap '53.

(MLRA 6:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy peditaricheskiy institut (for Borisov, Belaya, and Kifer). 2. Pervaya klinicheskaya detskaya bol'nitsa (for Prokhorovich, Belaya, and Kifer). 3. Difteriynyj Otdel Gosudarstvennogo nauchno-issledovatel'skogo pediatriceskogo instituta (for Borisov).
(Mouth--Wounds and injuries)

KIFER, Ye. L.

Occupational Diseases

Dissertation: "The question of Treatment of Congenital syphilis." Cand Med Sci,
Second Medic. Inst imeni I. V. Stalin, 8 Mar 54. (Meditinskiy Rabotnik, Moscow,
2 Mar 54).

SO: SUM 213, 20 Sep 54

KIFER, Ye.L., kandidat meditsinskikh nauk; FILIPPOVA-NUTRIKHINA, Z.L.,
~~detektora~~

Congenital epidermolysis bullosa in children. Vop. okh.mat. i det. 1
no.6:73-78 N-D '56.
(MLB 10:1)

1. Iz detskogo poliklinicheskogo otdeleniya 4-y Grodskoy bol'nitsy
(zav. A.S.Adamova) i kliniki gospital'noy pediatrii pediatriceskogo
fakul'teta II Moskovskogo gosudarstvennogo meditsinskogo instituta
imeni I.V.Stalina (zav. kafedroy - prof. K.F.Popov)
(SKIN--DISEASES)

KIFER, Ye.L.

Clinical aspects and diagnosis of pustulosis vacciniformis acuta in children. Pediatrja, 36 no.11:13-18 N '58 (MIRA 12:8)

1. Iz klinicheskoy detskoj bol'niцы No.1 Moskvy (glavnyy vrach - zasluzhennyy vrach RSFSR Ye. V. Prokhorovich) i Instituta virusologii AMN SSSR (dir. - prof. P.N. Kosyakov).
(SKIN--DISEASES)

KIFER, Ye.L.

Exudative diathesis and eczema in children. Vop. okh. mat. i det. 6
no. 7:43-47 Jl '61. (MIRA 14:8)

1. Iz polikliniki (zav. L.G.Osipova) detskogo otdeleniya 4-y Gorodskoy
bol'nitsy Moskvy (glavnnyy vrach G.F.Papko).
(ECZEMA) (DIATHESIS)

BERKOVICH, I.M., doktor med. nauk [deceased]; VOLOTOV, A.N.,
dots.; VALENTINOVICH, A.A., dots.; DOMBROVSKAYA,
Yu.F., prof.; KOSSYURA, M.B., kand. med.nauk; KIFER,
Ye.L., kand. med. nauk; MASLOV, M.S., prof.[deceased];
POD"YAPOL'SKAYA, V.N., prof.; SEMENOVA, N.Ye., zasl. vrach
RSFSR; KHOKHOL, Ye.N., prof.; ZHUKOVSKIY, M.A., red.;
KOROLEV, A.V., tekhn. red.

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo
po pediatrii. Moskva, Medgiz. Vol.4. [Diseases of the
digestive tract. Diseases of the liver and skin. Vitamins
and vitamin deficiency diseases] Zabolevaniia pishchevari-
tel'nogo trakta. Bolezni pochek i kozhi. Vitaminy i bolez-
ni vitaminnoi nedostatochnosti. Red. toma E.N.Khokhol.
1963. 721 p. (MIRA 17:2)

1. Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya, Maslov).
2. Chlen-korrespondent AMN SSSR (for Pod"yapol'skaya,
Khokhol).

KIFMAN, G.Ya., IVANOVA, G.A., SMOL'NIKOVA, N.M.

Pharmacology of the tetracyclines [with summary in English]
Farm. i toks. 21 no.5:68-72 S-0 '58 (MIRA 11:11)

1. Otdel khimioterapii (zav. - chlen-korrespondent AMN SSSR
prof. Kh.Kh. Planel'yes) Instituta farmakologii i khimioterapii
AMN SSSR.

(TETRACYCLINE,
pharmacol. (Rus))

SABO, I.; ADOR'YAN, S.; KHADNOD', Ch.; KIFOR, I.; MODI, I.

Effect of tuberculostatic substances on some functions of
the liver. Pat. fiziol. i eksp. terap. 9 no.1:73 Ja-F '65.
(MJRA 18:11)

1. Kafedra fiziologii i II terapeuticheskaya klinika Mediko-
farmatsevticheskogo instituta, Tyrgu-Muresh, Rumyniya.

MAROS, T., prof.; SEREE-STURM, L., dr.; KIFCR, I., chim; KATONAI, B., dr.

Changes in bromsulphalein clearance during liver regeneration.
Med. intern. (Bucur) 17 no. 28219-222 F'65.

1. Lucrare efectuata la Catedra de anatomie umana (sef de catedra: prof. T. Maros) si Clinica I medicala (sef de catedra: prof. P. Doczy) Institutul medical-farmaceutic, Targu Mures.

VERTAN, Magda, dr.; KOTAY, Eva, dr.; KIFOR, Olga, dr.; SZIGETI, I., dr.

Determination of thrombocyte adhesiveness (with a modified Bobek and Cepelak method). Med. intern. (Bucur) 17 no. 6:749-752 Je '65.

1. Lucrare efectuata in Clinica medicală 1, Institutul medical-farmaceutic, Tîrgu-Mureş (director prof. P. Doczy).

L-57864-65 INT(d)/PNT(m)/EMP(f)/EPB/I-2/EWA(c) Pg-1

ACCESSION NR: AP5016231

UR/0373/65/000/003/0040/0048

AUTHOR: Grozovskiy, G. L. (Moscow, Kiev); Kiforenko, B. N. (Moscow, Kiev);
Tokarev, V. V. (Moscow, Kiev)19
3

TITLE: Energy storage in power-limited flight optimization problems

SOURCE: AN SSSR, Izvestiya, Mekhanika, no. 3, 1965, 40-48

TOPIC TAGS: power limited flight, energy storage, optimal flight, Pontryagin maximum principle

ABSTRACT: This article deals with the variational problem of the maximum payload in flights with power-limited propulsion systems with energy storage. It is assumed that the propulsion system consists of a power source N ($0 \leq N \leq N_0$), an energy storage E ($0 \leq E \leq E_0$), and an engine with thrust P ($0 \leq P \leq P_0$), and that weights for these components are, respectively: $G_N = uN_0$, $G_E = bE_0$ and $G_P = vP_0$, where u , b , v are proportionality factors (specific weights). The variational problem is defined as follows: given the total initial weight G_0 of the propulsion system, the factors u , b , v , the dynamic maneuver with the duration T , it is required to find optimal operating conditions for the power source $N(t)$, the energy storage $E(t)$ ($E_0 = -E$), the thrust force $P(t)$, and the unit vector $i(t)$ of the thrust direction which will ensure the maximum payload G_P . A complete system of differential

Cont. 1/2

L 57864-63
ACCESSION NR: AF5016231

equations, boundary conditions, constraints upon the control functions, and phase coordinates is written which describes the defined variational problem in Mayer's formulation. The optimal controls $i(t)$, $P(t)$, $N_0(t)$, and $N(t)$ are determined by using the maximum principle of Pontryagin. The obtained control functions are analyzed for the interior sections of the trajectory and for the boundary sections. A propulsion system with energy storage only (without power source) is also investigated as a particular case of the general problem. The case of the so-called "ideal controlled propulsion system," which is characterized by the fact that there are no limitations upon the upper bound of the thrust force $P(P \geq 0)$ and $G_V = 0$ is analyzed. As an illustration of the solution of the general problem, two maneuvers are analyzed for which the equations of the variational problem can be completely integrated. The case when the thrust force P is constant is also investigated.

Orig. art. has: 3 formulas [LK]

ASSOCIATION: none

SUBMITTED: 26 Feb 67

KMD: 00

SUB CODE: SV/E

NO REP Sov: 004

OTHER: 001

ATD PRESS: 4038

XL
Card 2/2

KIFORENKO, B. N.

27th Congress, International Astronautical Federation (IAF), Madrid, Spain
9-14 October 1966

A provisional program for above meeting, schedules the following paper
for Friday, October 11:

"On the Motion of a Body of Variable Mass with Energy
Accumulation and Ending with Limited Jet Velocity. Part II",
G. L. Gvozdovskiy and V. V. Tokarev, Commission for
Exploration and Use of Outer Space.

SOURCE: Provisional Program, published in 66 or earlier, by Program
Committee of IAF Bureau, UNIDENTIFIED

665

L 08214-67 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k) IJP(c) WW/EM

ACC NR: AP6030810

SOURCE CODE: UR/0424/66/000/003/0053/0058

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000722520004-9"
AUTHOR: Kiforenko, B. N. (Kiev)

36

B

ORG: none

TITLE: Selection of optimal parameters of a flight vehicle with limited power and
energy storage

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 3, 1966, 53-58

TOPIC TAGS: optimal flight, limited power flight, energy storage, maximal useful
payload, SPACERCRAFT PAYLOAD, FLIGHT MECHANICS

ABSTRACT: The study of a variational problem concerning the maximum useful payload
of a flight vehicle having a jet engine with limited power and energy storage
formulated previously by the author jointly with G. L. Gvozdovskiy and V. V.
Tokarev (Akademiya nauk SSSR. Izvestiya. Otdel tekhnicheskikh nauk. Mekhanika,
no. 3, 1965) is continued. In the above mentioned article, equations for calcu-
lating optimal control functions (thrust direction, thrust acceleration, power
parameters) were derived and some examples of their solution were presented. Here,
the author analyzes the possibility of choosing optimal control parameters ensuring
the predetermined motion of the flight vehicle without the complete solving of the
derived equations. The class of problem for which such optimal control parameters
can be selected is shown. The sufficient optimality condition of V. F. Krotov is
used in the analysis. The question of the usefulness of the energy storage in in-

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"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000722520004-9

ACC NR: AP6030810

creasing the useful payload of a flight vehicle having a jet engine of limited power is also considered. Some examples illustrate the theory. Orig. art. has: 1 figure and 13 formulas.

[LK]

SUB CODE: 01/ SUBM DATE: 21Jun65/ ORIG REF: 004/

Card 2/2

egf

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000722520004-9"

DROGICHINSKIY, Nikolay Yemel'yanovich; KIFORENKO, I., red.; MIL'KIN, Yu.,
tekhn. red.

[State plan is the law of developing socialist production] Derzhav-
nyi plan - zakon rozvytku sotsialistichnoho vyrobnytstva. Kyiv,
Derzh. vyd-vo polit. lit-ry URSR, 1961. 46 p. (MIRA 14;10)

1. Nachal'nik planovo-ekonomiceskogo upravleniya Ukrainskogo Soveta
narodnogo khozyaystva (for Drogichinsky).
(Russia—Economic policy) (Russia—Industries)

SVERBILOV, Georgiy Moiseyevich [Sverbylov, H.M.], prepodavatel'; KIFORENKO, I.
[Kyforenko, I.], red.; MIL'KIN, Yu., tekhn. red.

[Specialization and cooperation of socialist industrial enterprises]
Spetsializatsiia i kooperuvannia sotsialistichnykh promyslovykh
pidprijemstv. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961. 51 p.
(MIRA 14:10)

1. Kiyevskiy institut narodnogo khozyaystva (for Sverbilov).
(Industrial organization)

KOROL', Nikolay Stepanovich; KIFORENKO, I. [Kyforenko, I.], red.; GORKAVENKO, A. [Horkavenko, A.], tekhn. red.

[Future development of the collective farm system and property relations] Dal'shyi rozvytok kolhospnogo ladu i vidnosyn vlasnosti. Kyiv, Derzh.vyd-vo polit.lit-ry URSR, 1961. 66 p.
(MIRA 16:2)

(Collective farms)

BABICHEV, G.T.[Babichev, H.T.]; GAL'CHINSKAYA, V.A.
Hal'chins'ka V.A.]; DEMIDYUK, F.G.[Demydiuk, F.H.];
LITVIN, S.G.[Lytvyn, S.H.]; NISHCHUK, S.M.; S"EMIK,
P.M.[S'omyk, P.M.], red.; KIFORENKO, I.S., red.;
CHAYEVSKAYA, N.S.[Chaijevs'ka, N.S.], red.; SERGEYEV,
V.F.[Serhieiev, V.F.], tekhn. red.

[Manual of a rural activist] Dovidnyk sil's'koho akti-vista. Kyiv, Derzh. vyd-vo pol. lit-ry UkrSSR, 1962. 563 p.
(MIRA 17:1)

1. Prepodavateli Vysshey partiynoy shkoly pri TSentral'nom komitete Kommunisticheskoy partii Ukrayiny (for Babichev, Gal'chinskaya, Demidyuk, Litvin, Nishchuk).
(Agriculture--Handbooks, manuals, etc.)

SHUL'GA, Zakhar Petrovich [Shul'ha, Z. P.]; KIFORENKO, I.S. [Kyforenko, I.S.],
red.; NIKOLAYEVA, L.O. [Nikolaieva, L.O.], red.; KOPITKOVA, N.
[Kopytkova, N.], tekhn. red.

[The victory of Lenin's cooperative plan in the U.S.S.R.] Torzhestvo
lenins'koho kooperatyvnoho planu v SRSR. Kyiv, Derzh. vyd-vo polit.
lit-ry URSR, 1961. 161 p. (MIRA 14:11)
(Collective farms)

KLIMENKO, Grigoriy Afanas'yevich[Klymenko, H.A.], kand. tekhn. nauk;
KIFORENKO, I.S.[Kyforenko, I.S.], red.; MEYEROVICH, S.L.,
tekhn. red.

[Electrification is an essential element in building the economy
of communism]Elektryfikatsiia - stryzen' budivnytstva ekonomiky
komunizmu. Kyiv, Derzhpolitydav UkrSSR, 1962. 84 p.
(MIRA 15:12)

I. Zamestitel' direktora Instituta elektrotehniki Akademii nauk
Ukr. SSR (for Klimenko).

(Electrification)

ZHUCHENKO, Vladimir Semenovich, kand. ekon. nauk, dots.;
KIFORENKO, I.S., red.

[Criticism of the bourgeois reformist theory of the
"Second Industrial Revolution"] Krytyka burzhuaznoi, re-
formists'koj teorii "Druhoi proryslovoi revoliutsii."
Kyiv, Politvydav Ukrayiny, 1964. 68 p. (MIRA 18:1)

1. Kafedra politicheskoy ekonomii Kiyevskogo instituta
narodnogo khozyaystva (for Zhuchenko).

GUR'YANOV, S.; VASIL'YEV, S.; BELOZEROV, A.; KIFORENKO, Ye.

A new grain elevator in the Virgin Territory. Mu...-elev. prom.
29 no.2:5 F '63. (MIRA 16:8)

1. Direktor Adyrskogo khlebopriyemnogo punkta TSelinnogo kraja
(for Gur'yanov).
2. Sekretar' partiynoy organizatsii Adyrskogo
khlebopriyemnogo punkta TSelinnogo kraja (for Vasil'yev).
3. Predsedatel' mestnogo komiteta Adyrskogo khlebopriyemnogo punkta
TSelinnogo kraja (for Belozerov).
4. Sekretar' komsomol'skoy
organizatsii Adyrskogo khlebopriyemnogo punkta TSelinnogo kraja
(for Kiforenko).

(Adyr--Grain elevators)

KIROV, A.A., dots.; SPERANSKIY, S.P., prof.

Participation of the Archangel Medical Institute in the work of the
public health organs. Zdrav.Ros.Feder. 3 no.7:37-40 J1 '59.

(MIRA 13:1)

1. Iz Arkhangel'skogo meditsinskogo instituta (dir. A.A. Kirov)
(ARCHANGEL PROVINCE--PUBLIC HEALTH)

RUNANIA

KOPCEV, I.; KOTEV, G.; MILEV, M.; KIFOV, R.; and IANKOV, B., [Affiliations not given], Peoples Republic of Bulgaria.

"Some Problems in the Treatment of Infected Wounds Caused by Chemical Weapons in Modern Warfare".

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 164-168

Abstract: Exhortatory introduction about the crimes of "American Imperialists and their Satellites" in South Vietnam; report on studies on 20 dogs with experimental wounds infected with yperite (20 milligrams per kilogram) and 15 with Soman. The first aid in such cases is discussed in some detail.

1/1

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L 33091-66 RO
APPROVED FOR RELEASE: 06/13/2000

SOURCE CODE: BU/0017/65/020/006/0016/001³⁸
CIA-RDP86-00513R000722520004-9³⁸

AUTHOR: Kopchev, I. (Colonel of the medical service; Docent); Kifov, R. (Colonel of the medical service; Senior scientific collaborator); Kifov, R. (Colonel of the medical service)

ORG: none

TITLE: Protective action of peripheral perfusion in the case of wounds of extremities infected with lethal doses of soman²²

SOURCE: Voenno-meditsinsko delo, v. 20, no. 6, 1965, 16-19

TOPIC TAGS: dog, wound, organic phosphorus compound, cholinesterase, nervous system drug, yperite, drug, treatment, military medicine

ABSTRACT: Experiments were carried out on dogs to which 2 LD₁₀₀ (0.03 mg/kg) of the organophosphorus compound soman (a cholinesterase inhibitor)

had been injected intramuscularly into the lower part of a hind leg. One minute after injection of the poison a tourniquet was applied above the site of injection to the leg. The tourniquet was removed one hour after the injection from control animals, while perfusion of the leg with physiological solution was carried out on experimental animals before the tourniquet was removed. The control animals died of acute soman poisoning, but the animals given a perfusion survived. Determinations of the cholinesterase activity in the blood serum indicated that this activity was totally suppressed in control dogs, while it decreased to 40-50% in the treated animals, then dropped in 24 hrs (to 0 in some cases), and increased to 60-90%

of the initial level within 48 hrs. The authors consider that the method in question can be applied under field conditions in war. Although no details are given, a drawing indicates that experiments of this type were also carried out with yperite. Orig. art. has: 1 figure and 1 table. [JPRS: 34,903]

SUB COM: 06 / SUBM DATE: none / ORIG REF: 004

Card 1/1 PAK

59/5 2.2%²

KIGAY, I.N.

Intermineralized dikes of the Lifudzin tin deposits. Izv.AN SSSR,
Ser.geol. 22 no.1:44-51 Ja '57. (MLRA 10:3)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii
i geokhimii AN SSSR, Moskva.
(Lifudzin--Tin bres) (Dikes (Geology))

18(5)

AUTHOR:

Kigay, I. N.

SOV/30-52-3-43/61

TITLE:

The Elaboration of Scientific Bases of the Search for
Hidden Ore Deposits (Razrabotka nauchnykh osnov poiskov
skrytogo orudieniya)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1950, Nr 3, pp 125 - 127 (USSR)

ABSTRACT:

The Otdeleniye geologo-geograficheskikh nauk Akademii nauk
SSSR (Department for Geological-Geographical Sciences of the
Academy of Sciences, USSR) and the Ministerstvo geologii i
okhrany nedor SSSR (Ministry for Geology and the Protection
of Mineral Resources, USSR) organized the first All-
Union Conference in Moscow (November 18-24, 1950) which
dealt with the scientific bases of the search for "blind"
ore bodies of endogeneous deposits. The conference was
attended by about 500 representatives of scientific research
institutes of the AS USSR and their branches, the Academies
of the Union Republics, the Ministries for Geology and
Protection of Mineral Resources of the USSR and the Kazakhskaya
SSR, the State Planning Committees of the USSR and RSFSR,
the Geological Administrations and Economic councils. The

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The Elaboration of Scientific Bases of the Search for
Hidden Ore Deposits

SOV/30-59-3-49/61

Conference was further attended by Czechoslovakian, Polish, and Chinese geologists. A. G. Betekhtin stated in his opening address that methods of search and research must be further developed. The Minister for Geology and the Protection of Mineral Resources, USSR, P. Ya. Antropov, underlined the importance of the Conference in connection with the tasks to be performed under the Seven Year Plan. The author of the present paper mentions also the following reports :F. I. Vol'fson and L. I. Lukin spoke about the structural and lithological criteria of the search for blind ore bodies. Ye. A. Radkevich described the particular features of the localization of blind ore bodies in various ore regions. Ya. P. Baklayev, G. F. Yakovlev, A. M. Khazagarov, V. E. Poyarkov, I. L. Nikol'skiy mentioned examples of geological-structural analyses of the regularities of localization of hidden ore bodies in various deposits; G.F. Chervyakovskiy, G. D. Azhgirey spoke about the presence of hidden ore deposits in various parts of the country; R. Krajewski mentioned cases in which hidden ore deposits were found in Poland, and P. Kveton and Ya. Kutina mentioned

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The Elaboration of Scientific Bases of the Search for
Hidden Ore Deposits

SOV/30-59-3-49/61

the same with respect to Czechoslovakia. The Chairman of the Organizing Committee of the Conference, C. D. Levitskiy and I. I. Smirnov underlined the important part played by non-ore-carrying zones which surround the technical ore bodies and are described as indicators of the hidden ore deposits; A. G. Tarkhov spoke about the present stage in the development of geophysical methods of searching for ore deposits; A. P. Solovov, and V. Z. Fursov showed that a wide application of geological-structural and geophysical search methods increases efficaciousness; M. N. Godlevskiy and V. N. Yegorov spoke about the importance of petrological analysis for prognostication in the north-western border areas of the Siberian plateau; M. B. Borodayevskaya and N. I. Borodayevskiy about localization forms of ore bodies. D. S. Korzhinskiy described a hypothesis on the acid-filtration effects in magmatic solutions; V. A. Zharkov used this hypothesis in connection with scarn type deposits; I. I. Ginzburg spoke about geochemical methods of searching for blind deposits and ore bodies; V. I. Krasnikov, N. A. Ozerova, and G. I. Rossman discussed problems

Card 3/4

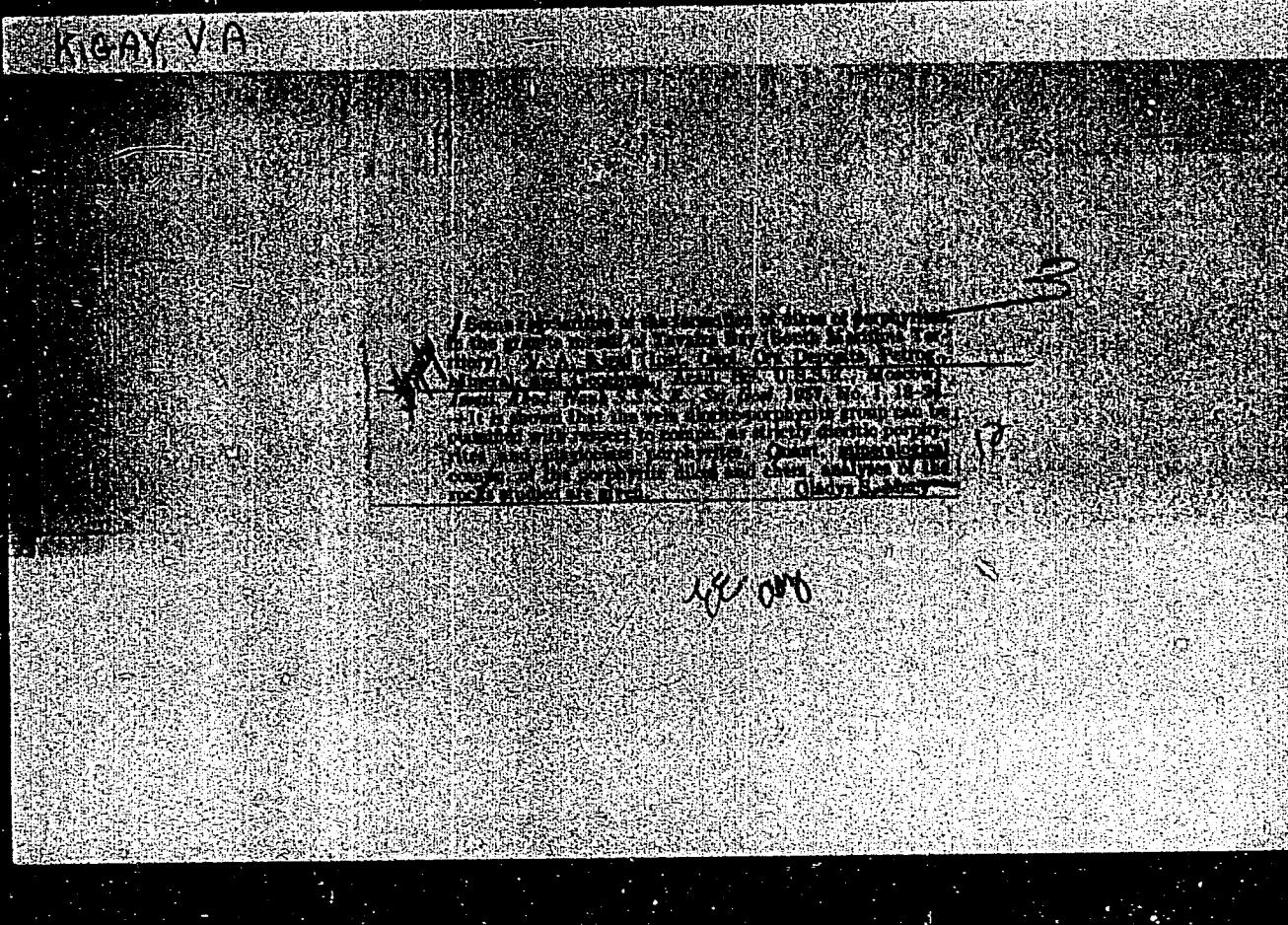
KIGAY, I.N.; NIKOLAYEV, S.V.

Effect of the physical properties of hydrothermally altered rocks
on metasomatic ore deposition. Geol. rud. mestorozh. '7 no.2:25-37
Mr-Ap '65. (MIRA 18:7)

I. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii
i geokhimii AN SSSR, Moskva.

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CIA-RDP86-00513R000722520004-9



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CIA-RDP86-00513R000722520004-9"

KIGAY, V.A. [translator]; LEBEDINSKIY, V.I. [translator];
NAZEDKIN, V.V. [translator]; SFERANSKAYA, Ye.M.
[translator]; LEBEDEV, A.P., red.; POPOVA, V.I., red.;
KHAR'KOVSKAYA, L.M., tekhn. red.

[Problems of paleovolcanism] Problemy paleovulkanizma;
stornik. Moscow, Izd-vo inostr. lit-ry, 1963. 585 p.
(MIRA 16:12)

(Rocks, Igneous) (Volcanic ash, tuff, etc.)

KIGAY, V.A.

Dikes in the scuthern Maritime Territory. Biul. MOIP. Otd.
geol. 34 no.6:142-143 N-D '59. (MIRA 14:3)
(Maritime Territory--Dikes(Geology))

TIKHONOV, V.I.; KIGAY, V.A...

Some characteristics of the geological structure of the Shapochka
volcanic cone in Kamchatka. Trudy Lab. vulk no.18:57-61 '60.
(MIRA 14:3)
(Shapochka Volcano)

KIGAY, V.A.

Experience in using the coloring method for potash feldspars.
Izv, AN SSSR, Ser. geol. 25 no, 3;101-104 Mr '60,
(MIRA 13;12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii AN SSSR, Moskva.
(Feldspar)

KIGAY, V.A.

Some tuff lavas of Tetyukhe District. Trudy Lab. vulk. no.20:
157-160 '61. (MIRA 14:11)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii AN SSSR.
(Tetyukhe District—Volcanic ash, tuff, etc.)

FAVORSKAYA, M.A.; RUB, M.G.; KIGAY, V.A.; IZOKH, E.P.; GAPEYEVA, G.M.;
PREOBRAZHENSKAYA, G.K.; USTIYEV, Ye.K., doktor geol.-mineral.nauk,
otv.red.; ROZANOV, Yu.A., red.izd-va; UL'YANOVA, O.G., tekhn.red.

[Magmatic activity and metallogenetic features of the Sikhote-Alin' Range and the Lake Khanka region] Magmatizm Sikhote-Alinia i Prikhankaiskogo raiona i ego metallogenicheskie osobennosti. Moskva, Izd-vo Akad. nauk SSSR, 1961. 327 p. (Akademicheskaya kniga. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.45).

(Sikhote-Alin' Range--Rocks, Igneous)
(Khanka Lake region--Rocks, Igneous)

MAKOVETSKIY, P.S.; KIGEL', G.B.

Gasification tar from brown coal of the Irsha-Borodino field is a
source of raw material for the chemical industry. Gas. prom. 4 no.4:
16-19 Ap '59. (MIRA 12:6)
(Krasnoyarsk Territory--Coal gasification)
(Coal tar)

KIGEL', Grigoriy Davydovich; ALENIN, Ye.G., nauchnyy red.; MIKHAILOVICHUK,
Z.V., red.; NESVYSLOVA, L.M., tekhn. red.

[Geodetic alignment in assembly work] Geodezicheskaya vyverka
na montazhnykh rabotakh. Moskva, Proftekhnizdat, 1962. 70 p.
(MIRA 15:11)

(Geodesy)

(Building--Tools and implements)

KIGEL', L.I., inzh.

Ways of increasing the labor productivity of the perfume
bottling section. Masl.-zhir.prom. 25 no.11:34-36 '59.
(MIRA 13:3)

1. Moskovskaya fabrika "Novaya zarya."
(Perfumes) (Bottling)

BURMISTROV, N.I.; CHUPAKHIN, V.A.; KIGEL', L.S.; LAYKOVSKIY, E.E.

Feedwater desorption and oxygen removal systems. Prom. energ.
19 no.8:30-31 Apr '64. (MIA 17:11)

KRAYZEL', S.Ye., inzh.; KIGEL', L.S., inzh.; LAYKOVSKIY, E.E.

Water heating PTVM-20 boiler operating on gas and fuel oil.
Prom.energ. 19 no. 2 28-30 F '64. (MIRA 17:5)

KIGEL', L.S., inzh.; Klyuyev, Yu.B., inzh.; PROGVIRHIN, V.D., inzh.

Modernization of Sterling system boilers converted to operate on
fuel oil with high sulfur content. Prom. energ. 18 no. 26-29 Ag
'63. (MIRA 16:?)

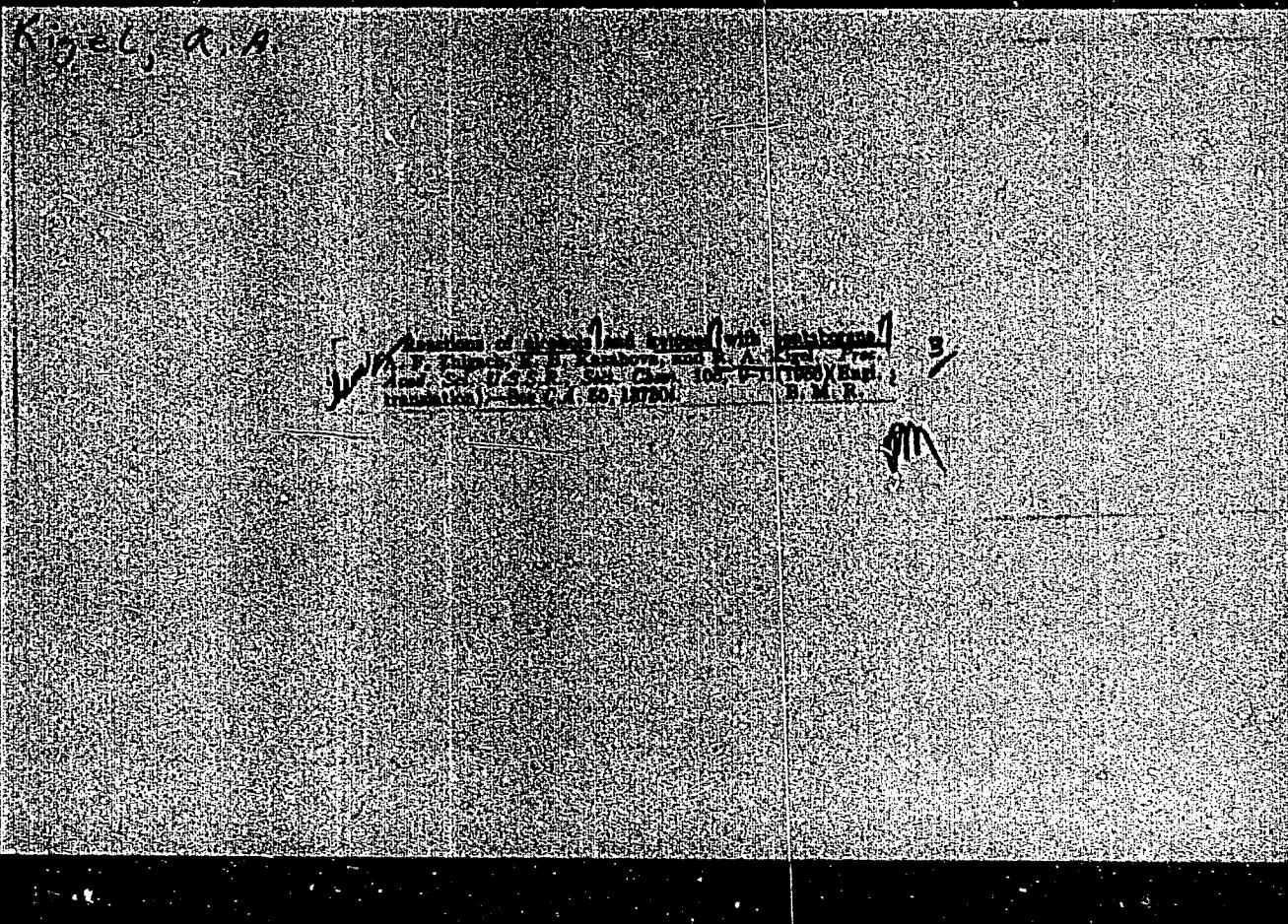
(Boilers)

KLYUYEV, Yu.B., inzh. (Sverdlovsk); KIGEL', L.S., inzh. (Sverdlovsk);
PODKORYTOV, A.P., inzh. (Sverdlovsk); PROSVIRNIK, V.D., inzh.

Replacement of the primary heat carrier (steam with water) in hot
water supply systems of central heating boilers. Energetik 13 no.6:
10-11 Je '65.
(MIRA 18:7)

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Kigel', R. A.

USSR/ Chemistry - Reaction processes

Card 1/2 Pub. 22 - 18/43

Authors : Zhigach, A. F.; Kazakova, Ye. B.; Kigel', R. A.

Title : Reaction of alcohols and ketones with pentaborane

Periodical : Dok. AN SSSR 106/1, 69-71, Jan 1, 1956

Abstract : The reactions between methyl, ethyl and butyl alcohols and acetones with pentaborane are described. It was established experimentally that the reaction of alcohols with pentaborane is followed by the formation of intermediate compounds (alkoxy borines). The effect of small amounts of dehydrated alcohols on pentaborane causes partial separation of H. Later addition of alcohol results in additional separation of H. The H separation

Institution :

Presented by: Academician A. N. Nesmeyanov, July 11, 1955

Card 2/2

Pub. 22 - 18/43

Periodical : Dok. AN SSSR 106/1, 69-71, Jan 1, 1956

Abstract : stopped only after the addition of 15 mol. of alcohol to 1 mole of pentaborane. The formation of boric acid esters (borate) and separation of twelve H-molecules were found to be the final reaction results. Nine references: 1 USSR, 7 USA and 1 Germ. (1878-1953). Drawing.

ANTONOV, I.S.; KAZAKOVA, Ye.B.; KIGEL', R.A.

Determination of phosgene in technical boron trichloride. Zav.lab.
29 no.7:807 '63. (MIRA 16:8)
(Phosgene)

ENGEL'SHTEYN, A.S.; KIGEL', R.M.

Case of Gongylonema pulchrum in man. Med. paraz. i paraz. bol. 34
no.2:163-164 Mr-Apr '65. (MIRA 18:11)

1. Otdel meditsinskoy parazitologii Odesskoy oblastnoy sanitarno-
epidemiologicheskoy stantsii.

OSIPOVA, V.I.; TIMOFEYEV, A.F.; KIGEL', S.L., inzh.; OSETROVA, K.I.;
SHCHEKOTOVA, O.D.; KUZ'MINYKH, T.F.; TOLSTYKH, A.K., telefonistka, udarnik
kommunisticheskogo truda

Long-distance through calls should be given a green light. Vest. sviazi
(MIRA 16:3)
23 no.1:21-23 Ja '63.

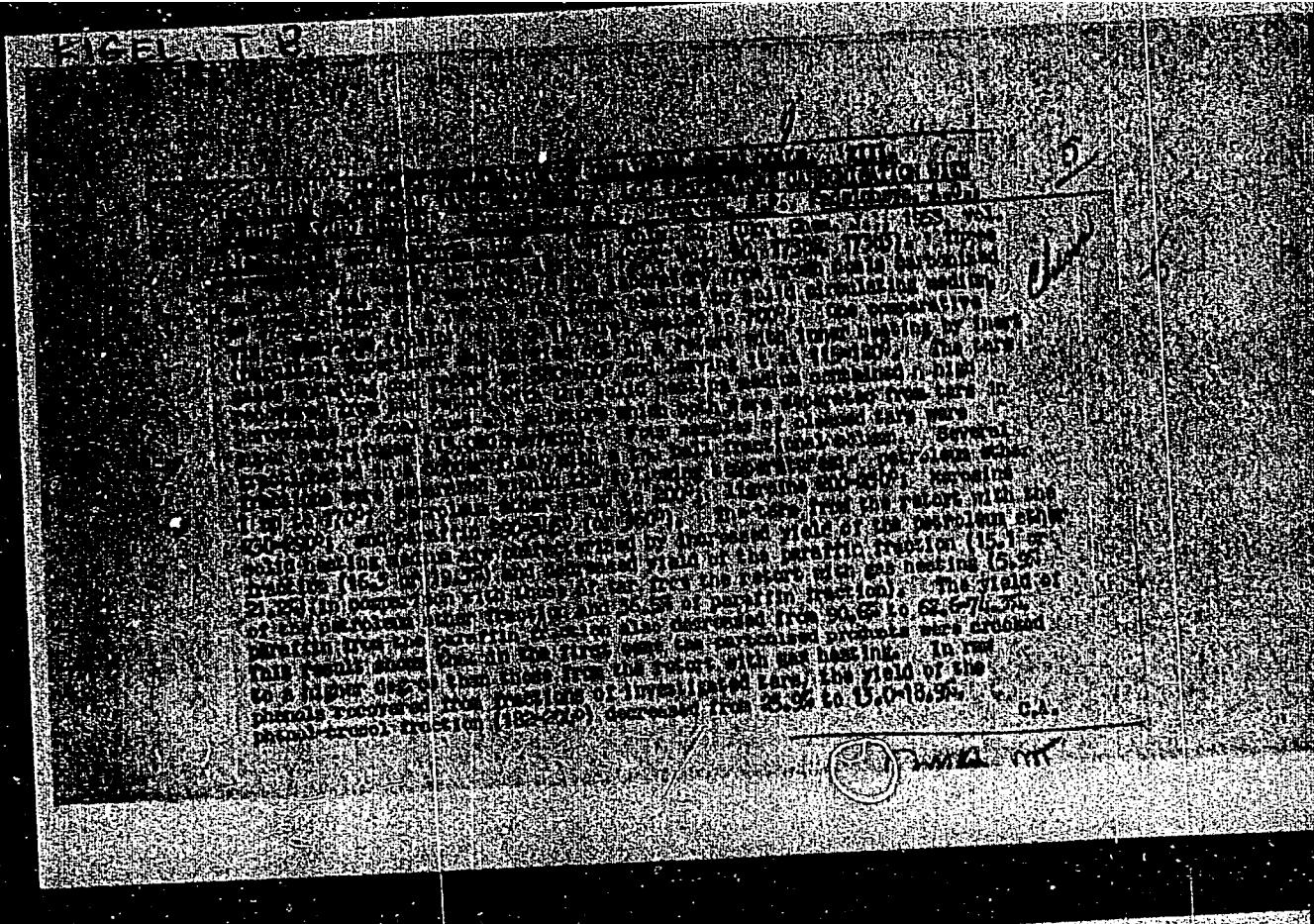
1. Nachal'nik Kiyevskoy mezhdugorodnoy telefonnoy stantsii (for Osipova).
2. Nachal'nik Tashkentskoy mezhdugorodnoy telefonnoy stantsii (for Timofeyev).
3. Nachal'nik laboratori ekonomiki svyazi TSentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Srapionov).
4. TSentral'nyy nauchno-issledovatel'skiy institut svyazi Ministerstva svyazi SSSR (for Yesikov).
5. Proizvodstvennaya laboratoriya Kazanskoy mezhdugorodnoy telefonnoy stantsii (for Kigel').
6. Starshiy inzh. Rizhskoy telegrafno-telefonnoy kontory (for Osetrova).
7. Starshiy inzh. Tyumenskoy mezhdugorodnoy telefonnoy stantsii (for Shchekotova).
8. Starshaya telefonistka Tyumenskoy mezhdugorodnoy telefonnoy stantsii (for Kuz'minykh).
9. Tyumenskaya mezhdugorodnaya telefonnaya stantsiya (for Tolstykh).
(Telephone)

KIGEL, T. B.

2663. COMPLEX UTILIZATION OF BROWN COAL OF UKRAINIAN S.S.R. VI.
ISOLATION OF PARAFFIN FROM PARAFFIN FRACTION AND STUDY OF METHODS OF
PURIFICATION. Kuznetsov, V.I. and Kigel, T.B. (Ukr. Khim. zh. (Ukr. Chem. J.), 1952, vol. 10, 683-692; *Chem. Abstr.*, 1954, vol. 48,
4005). The paraffin fraction of materials extracted from brown coal by
 $\text{C}_2\text{H}_5\text{CH}_2\text{Cl}$ contains some 25% paraffin, approximately 1:1 mixture of soft and
hard fats. By extracting some 22% of the oil content can be removed from the
crude paraffin. In purification by adsorbents such as bentonite or silica
gel it is possible to obtain white paraffin in 25-45% yield, freezing point
up to 5°C . C.A.

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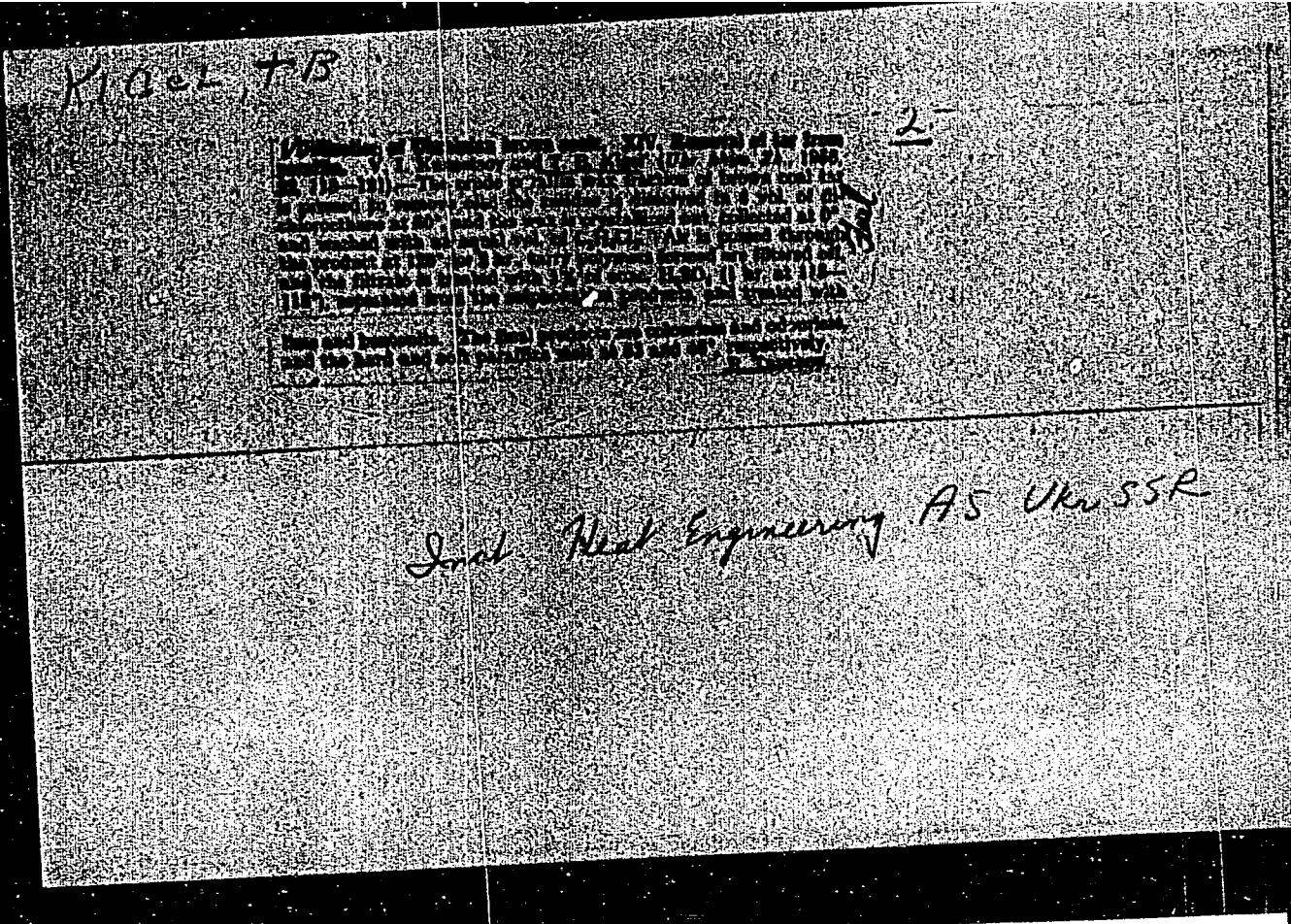


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RIBEL, J.B.

PAGE 1 BOOK REFERENCE

NOV/27/84

Akademicheskii nauchno-issledovatel'skiy institut eksploatovaniya i obnaruzheniya nefti i gaza. Institut eksploatovaniya i obnaruzheniya nefti i gaza. Izdatel'stvo Akademii Nauk SSSR. Tom 1. Kompleksnyi perevod s angliyskogo teksta "Brown Coal and Shale from Coal and Oil Comprehensive Conversion, Pt. 2" A.I.S.P., 1970. Ch. 2 (Study of Tars and Bitumens of Peat and Shale from Coal and Oil Comprehensive Conversion). Moscow: Naukova Dumka, 1973. 1,000 copies printed.

Sov. Akad. Nauk. N. M. Kurnakov, Professor, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: V. K. Semenikhin. Tech. Ed.: V. D. Melnikov.

Abstract. This collection of articles is intended for scientists and engineers working in the field of comprehensive conversion of solid fuels, as well as for technical and engineering personnel engaged in research activities as well as for comprehensive utilization of solid fuels.

Contents: This collection of articles on the utilization of coal for chemical products is the result of investigations made by the Institute of Thermal Power Engineering of the Academy of Science of the Ukrainian SSR. The process of converting tar and tarsolutions produced through the thermal decomposition of shaly beds of shale to shale oil. The importance of the utilization of shale beds of shale to shale oil. The importance of shale oil for the growing shale and products of shale conversion or shale fuel for the growing shale and products of shale conversion or shale fuel. The use of solid fuels both as a source of heat energy and as a source of chemicals is mentioned.

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Card 5/A

KUZNETSOV, V.I.; KIGEL', T.B.

Using Pyzhevskii bentonites for purifying lignite paraffins.
Bent. gliny Ukr. no.2:189-194 '58. (MIRA 12:12)

1. Institut teploenergetiki AN USSR.
(Paraffins) (Bentonite)

11(2)
AUTHORS:

(Makovets'kyy, P.S.), Sov/21-59-2-16/26
Makovetskiy, P.S., and Kigel', T.B.

TITLE:

An Examination of the Chemical Composition of the
Liquid Products of Brown Coal Gasification
from the Irsha-Borodinskoye Deposit (Issledovaniye
khimicheskogo sostava zhidkikh produktov gazifikatsii
burogo ugliya Irsha-Borodinskogo mestorozhdeniya)

PERIODICAL: Dopovid Akademii nauk Ukrains'koi RSR, 1959, Nr 2,
pp 176-180 (USSR)

ABSTRACT:

This article is a study of the liquid gasification
products of Siberian brown coal from the depo-
sits named in the title, which contained 23% water,
1.09% "coom", had a specific gravity d_4^{20} equal to
1.048 and, on an average, included 85% C, 7.86% H,
0.60% S, 6.28% O+N. The study of hydrocarbon employ-
ed the chromatographic method of analysis in V-shap-
ed columns. Silica gel of the ShSK sort was employed
as adsorbent. Benzole, a mixture of spirit and ben-
zole (1:1), or/and pure acetone were employed as

Card 1/3

SOV/21-59-2-16/26

An Examination of the Chemical Composition of the Liquid Products
of Brown Coal Gasification from the Irsha-Borodinsk Depo-
sits

solvents. Separated mixtures of hydrocarbons were, by the adsorption chromatographic method, broken down into four groups: mixtures of paraffin, oil and olefine hydrocarbons; aromatic monocyclic, aromatic, bicyclic, and aromatic tricyclic hydrocarbons. As desorbing fluids, dearomatized petroleum ether, mixtures of petroleum ether with 10% benzole and benzole mixed with a 1:1 mixture of benzole and spirit were used. The fractional contents of gasification tar are shown in tables 1 and 2. The results of the examination of the paraffin fraction are shown in table 5. Data on hydrocarbons is given in table 4. The examinations showed that gasification tar contained 15.72% phenol, 3.86% pyridine foundations, 33% hydrocarbons, the majority of which were of the aromatic variety with boiling

Card 2/3

SOV/21-59-2-16/26

An Examination of the Chemical Composition of the Liquid Products
of Brown Coal Gasification from the Irsha-Borodinsk Devo-
sites

points of 290-245°C, and could be utilized in the
chemical industry for the production of plastics.
By the extraction of chemical components of tar
water it is possible to create a series of bypro-
ducts. There are 5 tables, 1 diagram, and 2 Soviet
references.

ASSOCIATION: Institut teploenergetiki AN UkrSSR (Institute of
Thermal Power of the AS UkrSSR)

PRESENTED: By N.N. Dobroshchotov, (M.M. Dobroshchotov) Member of the AS UkrSSR

SUBMITTED: August 30, 1958

Card 3/3

KIGEL', T.B. [Kihel', T.B.], mladshiy nauchnyy sotrudnik

Tar paraffin from semicoked Ukrainian brown coal. Kompl. vyk.
pal.-energ. res. Ukr. no.1:203-208 '59. (MIRA 16:7)

1. Institut teploenergetiki AN UkrSSR.
(Paraffin wax) (Coal--Carbonization)

HIGEL', T. B., Cand Tech Sci (diss) -- "The isolation and investigation of paraffin from brown-coal semicoke tar with a solid heat-carrier". Dnepropetrovsk, 1960. 18 pp (Dnepropetrovsk, Chem-Tech Inst im F. I. Dzerzhinsky), 150 copies (KL, No 12, 1960, 127)

KIGEL', L.I.

For lowering labor expenditures in each production operation.
Masl.-zhir.prom. 25 no.12:33-39 '59. (MIRA 13:4)

1. Fabrika "Novaya zarya".
(Perfumes--Packaging) (Bottling)

KIGEL', Ye.

Snow disposal into the city sewerage. Zhil.-kom.khoz. 6 no.7:
17-20 '56. (MLRA 10:2)

1. Glavnnyy inzhener kanalizatsionnogo khozyaystva g. Kiyeva.
(Snow removal) (Sewerage)

KIGEL', Ye.M. (Kiyev)

Manhole covers for water pipe and sewerage installations. Vod.i
santelch. no.7:33-34 Jl '57. (MIRA 10:11)
(Manholes)

KIGEL, Ye.M. (Kihev)

Changes in the technical description of MF pumps. Vod. i san. tekhn.
no.12:33-35 D '58. (MIRA 11:12)
(Pumping machinery)

KIGEL', Ye. M.

Waterproofness of sewerage collectors laid below ground-water level.
Vod. i san. tekhn. no. 6:11-12 Je '59. (MIRA 12:8)
(Sewerage)

KOLOBANOV, S.; KIGEL', Ye.

Removing snow by dumping it into sewer systems. Zhil.-kom.
khoz. 10 no.1:23-25 '60. (MIRA 13:5)

1. Glavnnyy inzhener slushby kanalizatsii Upravleniya vodokanalii-
zatsii, Kiyev (for Kigel').
(Kiev--Snow removal)

KIGEL', Ye. (g.Kiyev)

Efficient method for operating the collecting tanks of sewage
pumping stations. Zhil.-kom. khoz. 10 no.8:13-15 '60.

(Kiev—Sewerage) (Pumping machinery)

(MIRA 13:9)

KIGEL', Ye. (Kiyev)

Reinforced concrete main in Kiev. Zhil.-kom.khoz. ll no.5:12-13
My '61. (MIRA 14:7)
(Kiev—Sewerage) (Reinforced concrete construction)

KIGEL', Ye., inzh.

Construction of a catch basin by an advanced method. Prom.stroi.
i inzh.soor. 3 no.2:42-45 Mr.Ap '61. (MIRA 15:3)
(Sewerage)

SLL:CHHKO, A.L., inkh. (Klyev); LIGERI, Y.S.N. (Klyev)

Adjusting sewage purification equipment. Vol. 3 Ann. told no. 2
10-18 5 '64 (MIRA 18x2)

KIGEWSKI, W

COUNTRY:	Poland	R-22
CATEGORY:	:	
ABS. JOUR.	RZKhim, No. 5 1960, No.	19356
AUTHOR:	Rudzinska, J., Leoniewicz, L., Kigewski, W.	*
TYPE:	Not given	
TITLE:	An Experimental Gas Producer Using a Solid Heat Transfer Agent	
ORIG. PUB.:	Gaz Woda i Techn Sanit. 33, No 4, 150-132 (1959)	
ABSTRACT:	A three-zone gas producer is described consisting (from top to bottom) of a ceramic cylinder (zone in which the heat transfer agent (T) is heated), a cylindrical reactor, and a distributor bin from which the solid residues are discharged and the T is returned to the heating zone by conveyor. The T (corundum balls of 10-mm diam) is affected by the combustion of gas [natural?] in burners mounted below the heating zone. Powdered coal and a carrier gas are injected below the reactor counter-	
ND:	1/3	* Tromszczynski, J., and Pleskatz, J.

COLLECTOR	NOT FOUND	R-22
CATEGORY	:	
ABS. JOUR.	: RZhime, No. 51950, No.	19356
AUTHOR	:	
JOURNAL	:	
TITLE	:	
CRIS. PUB.	:	
ABSTRACT	22,494. Stable operation could not be achieved in this series of experiments. An attempt to utilize the above installation for the production of unsaturated hydrocarbons (e.g., ethylene) is noted.	
REF ID	5/5	

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CIA-RDP86-00513R000722520004-9

KIGIZIN, M. A. and KOSTENKO, G. N.

"The Heat Exchange Apparatus and Evaporation Equipment" Moscow-Leningrad 1959

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000722520004-9"

GZIRISHVILI, G.A.; KIGURADZE, E.Sh.

Effect of stimulating the interoceptors of the stomach on the peripheral blood picture and the mechanism of leucocyte development. Soob. AN Gruz. SSR 15 no.8:543-549 '54. (MLRA 8:9)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavлено deystvitel'nym chlenom Akademii K.D.Eristavi.
(Receptors (Neurology)) (Leucocytes)

DZHIBLADZE, N.V.; KIGURADZE, Ye. Sh.; AKHMETZI, L. I.

Approximate norms of the composition of peripheral blood and bone marrow in experimental dogs. Soob. AN Gruz. SSR 15 no.10:693-699 '54. (MLRA 8:9)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavлено deystvitel'nym chlenom Akademii K.D. Eristavi.
(Blood--Analysis and chemistry) (Marrow)

USSR/Man and Animal Physiology. Blood. Formed Elements of Blood. T

Res Jour: Ref Zhur-Biol., № 20, 1958, 93075.

Author : Kiuredze, E. Sh.

Inst : Institute of Experimental and Clinical Surgery and
Hematology AS Georgian SSR.

Title : Influence of Induced Irritation of Small Intestine on
the Hematopoietic System.

Orig Pub: Tr. In-ta eksperiment. i klinich. Khirurgiya i genetol.
AN GruzSSR, 1957, 7, 159-166.

Abstract: In 3 experiments on dogs with daily irritation of the upper, middle, and lower segments of the small intestine (separately in different dogs) by inflation of a balloon, a negligible leukocytosis occurred without noticeable changes in erythro- and leukopoiesis in the bone marrow. Irritation of the mucosa of the upper seg-

Card : 1/3

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DZHIBLADZE, N.V.; KIGURADZE, E.Sh.; BUACHIDZE, G.P.

Changes in the blood system during intestinal obstructions.
Soob. AN Gruz. SSR 20 no.1: 105-112 Ja '58. (MIRA 11:6)

1. Institut eksperimental'noy i klinicheskoy khirurgii i hematologii
AN GruzSSR, Tbilisi. Predstavлено академиком К.Д. Еристави.
(BLOOD--ANALYSIS AND CHEMISTRY) (INTESTINES--OBSTRUCTIONS)

SEMENSKAYA, Ye.M.; ABAKELIYA, TS.I.; KIGURADZE, E.Sh.; LARIONOVA, N.G.

Producing experimental leukemia in rats and mice by means of 9,10-dimethyl-1,2-benzanthracene. Soob.AN Gruz.SSR 24 no.5:601-606 My '60.
(MIRA 13:8)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gematologii
AN GruzSSR, Tbilisi. Predstavлено академиком K.D.Kristavi.
(BENZANTHRACENE) (LEUKEMIA)

SEMENSKAYA, Ye.M.; ABAKELIYA, TS.I.; LARIONOVA, N.G.; KIGURASHI, F.Sa.

Producing an experimental leukemia model in mice. Trudy Inst.
eksp. i klin. khir. i genet. AN Gruz. SSR 11:151-154 '63.
(MIR, 1963)

163400

S/020/62/144/001/004/024
B112/B102AUTHOR: Kiguradze, I. T.

TITLE: Oscillation properties of the solutions of certain ordinary differential equations

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 144, no. 1, 1962, 33-36

TEXT: The author considers differential equations of the form $d^m u/dt^m + F(u^2, t)u = 0$, where $m \geq 2$, $F(y, t)$ is continuous for $0 \leq t, y < \infty$, and $F(y, t) \geq 0$; $F(y_1, t) \leq F(y_2, t)$ for $y_1 < y_2$. Some criteria are deduced, which ascertain whether a given solution u is oscillating, i.e., has an infinite number of zeros, or not. All these criteria are similar to the following one: If m is an odd number and if $(-1)^{m+k-1} u^{(k)}(t) \geq 0$ ($k = 1, \dots, m$), then the divergence of the integral $\int_{-\infty}^{\infty} F(c^2, t)t^{m-1} dt$ for any c is necessary and sufficient for the solution u to tend toward zero if t tends toward infinity.

Card 1/2

KIGURADZE, I.T. (Tbilisi, SSSR)

Conditions of the oscillation of equation solution. Cas pro pes mat
87 no.4:492-495 0 '62.

AUTHOR:

Kiguradze, I. T.

8/251/63/030/002/001/003
D251/D308

TITLE:

On the asymptotic properties of the solutions
of the equation $u'' + a(t)u^n = 0$

PERIODICAL:

Akademiya nauk Gruzinskoy SSR. Soobshcheniya,
v. 30, no. 2, 1963, 129-136

TEXT: The author considers the solutions of the equation

$$u'' + a(t)u^n = 0 \quad (1)$$

where n is a rational number in which both numerator and denominator are odd, $n > 1$. Three theorems are proved which give order estimates of $u(t)$ and $u'(t)$ among these: Theorem 1. If $\varphi(t)$ is absolutely continuous and positive in $(0, \infty)$, and if

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On the asymptotic...

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$$\int_0^\infty |a[\varphi'(t) \varphi(t)]| < \infty, \quad (8)$$

$$a(t) > 0, \quad (a(t)\varphi^{n+3}(t))' \geq 0, \quad (9)$$

then for any solution $u(t)$ of Eq. (1)

$$u(t) = 0(\varphi(t)). \quad (10)$$

It is also proved that if $a(t)$ is a positive, absolutely continuous, non-decreasing function and

$$\int_0^\infty |a \frac{a'(t)}{a^{1+1/(n+3)}(t)}| < \infty. \quad (12)$$

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On the asymptotic...

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D251/D308

then any solution of Eq. (1) may be written in the form.

$$u(t) = a^{-1/(n+3)}(t) \rho w \left(\alpha \int_{t_0}^t a^{2/(n+3)}(\tau) d\tau \right),$$

$$u'(t) = a^{1/(n+3)}(t) \rho^{(n+1)/2} w \left(\alpha \int_{t_0}^t a^{2/(n+3)}(\tau) d\tau \right)^{(13)},$$

where w is a solution of $w'' + w^n = 0$ for initial conditions $w(0) = 0$, $w'(0) = 1$, and a , ρ , and α satisfying

$$\lim_{t \rightarrow \infty} \rho = \rho_0, \quad \lim_{t \rightarrow \infty} \alpha = \rho_0^{(n-1)/2}, \quad 0 < \rho_0 < \infty. \quad (14)$$

Card 3/4

On the asymptotic...

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D251/D308

A number of lemmas are considered, and a comparison is made with the solutions of Emden-Fowler type equations giving a satisfactory agreement.

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet
(Tbilisi State University)

PRESENTED: October 16, 1961, by V. D. Kupradze,
Academician

SUBMITTED: October 19, 1961

Card 4/4

ACCESSION NR: AP4042886

S/0251/64/035/001/0015/0022

AUTHOR: Kiguradze, I. T., Kupradze, V. D.(Academician)

TITLE: Non-oscillating solutions of the equation $u'' + a(t)|u|^n \operatorname{sign} u = 0$

SOURCE: AN GruzSSR. Soobshcheniya, v. 35, no. 1, 1964, 15-22

TOPIC TAGS: differential equation, stability theory, oscillating solution, oscillating function, bounded variation

ABSTRACT: The article considers the equation

$$u'' + a(t)|u|^n \operatorname{sign} u = 0, \quad (1)$$

where $n > 1$, and the function $a(t)$ is non-negative and summable over every finite interval. Previous work has centered on finding necessary and sufficient conditions that the solution to the above equation be either oscillating or non-oscillating. Also previously derived have been estimates of the oscillation of the solution for large values of the argument. The present paper derives various asymptotic formulas for the oscillation. A typical result of the paper is the following theorem: Define $A_1(t)$ by

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ACCESSION NR: AP4042886

$$A_1(t) = \frac{2(n+1)}{(n-1)^2} + (a_0^{-1/(n+3)}(t))^n a_0^{-3/(n+3)}(t) \left(\int_t^\infty a_0^{1/(n+3)}(\tau) d\tau \right)^2. \quad (2)$$

Then if $\int_t^\infty A_1(\tau) d\tau < \infty$ and $A_1(t) \sim A_1 < 0$, for each solution of equation (1) one of the following conditions holds:

$$u(t) \sim \pm |A_1|^{1/(n-1)} a_0^{-1/(n+3)}(t) \left(\int_t^\infty a_0^{1/(n+3)}(\tau) d\tau \right)^{-1/(n-1)}. \quad (3)$$

$$u(t) \sim C_0 \neq 0. \quad (4)$$

Six theorems are considered in the course of the article. Orig. art. has: 31 formulas.

Card 2/3

L 14330-65 EWT(d) Pg-4 ASD(s)-5/AFWU/AFETR/ESD(gs)/ESD(dp)/IJP(c)
 ACCESSION NR: AP4046691 S/0039/64/005/002/0172/0187

AUTHOR: Kiguradze, I. T. (Tiflis)

TITLE: Oscillation of solutions of a differential equation 10

SOURCE: Matematicheskiy sbornik, v. 65, no. 2, 1964, 172-187

TOPIC TAGS: differential equation, oscillation, asymptotic solution

ABSTRACT: The author studies

$$\frac{d^n u}{dt^n} + a(t)|u|^n \operatorname{sign} u = 0, \quad (1)$$

and derives asymptotic formulas for nonoscillating solutions. He establishes criteria for oscillation of solutions of (1) for $n \geq 1$ and for solutions of

$$\frac{d^n u}{dt^n} - a(t)u = 0. \quad (2)$$

Some of the results were given without proof in a previous paper (O koleblemosti resheniy nekotorykh obyknovennykh differentsiyal'nykh uravneniy, DAN SSSR, t. 144, No. 1 (1962), 33-35). Theorem 1: Let $1 \leq k \leq m$. In order that solutions $u_i(t)$ ($i = 1, 2, \dots, k$) of (1) exist in the form

$$u_i(t) \sim c_i t^{k-i}, \quad u'_i(t) \sim (i-1)c_i t^{k-i-1}, \dots, \quad u^{(k-1)}(t) \sim (k-1)! c_i t^{k-i}, \quad (3)$$

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ACCESSION NR: AP4046694

as $t \rightarrow \infty$, it is necessary, and, if $a(t)$ is sign constant, sufficient, that

$$\int_{t_0}^{\infty} |a(t)| t^{m-1+(n-1)(k-1)} dt < \infty. \quad (4)$$

Theorem 2: If $n > 1$,

$$\int_{t_0}^{\infty} |a(t)| t^{m(n-1)} dt < \infty \quad (5)$$

and $u(t)$ belongs to the family of solutions of the form

$$u(t) \sim ct^{k-1}, u'(t) \sim (k-1)ct^{k-2}, \dots, u^{(n-1)}(t) \sim (k-1)!c, \quad (6)$$

then any solution $v(t)$ belongs to this family if

$$0 = \sum_{i=0}^{n-1} |u^{(i)}(t) - v^{(i)}(t)|, \quad (7)$$

is a sufficiently small number. Theorem 3: Let m be even and the function $a(t)$ be nonnegative for large t . Then for oscillation of all extendable solutions of (1) it is necessary and sufficient that

$$\int_{t_0}^{\infty} t^{m-1} a(t) dt = \infty. \quad (8)$$

Theorem 4: If m is odd and $a(t)$ is nonnegative for large t , then for any extendable solution of (1) either to oscillate or monotonically go to zero, it is necessary and sufficient that

$$\int_{t_0}^{\infty} t^{m-1} a(t) dt = \infty. \quad (9)$$

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